
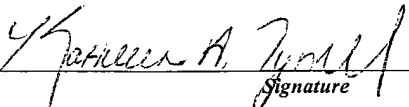
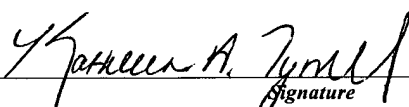


<b>AMENDMENT TRANSMITTAL LETTER (Small Entity)</b>			Docket No. <b>AF-0019</b>		
Applicant(s): <b>Graham et al.</b>					
Serial No. <b>10/032,658</b>	Filing Date <b>November 8, 2001</b>	Examiner <b>Ramirez, Delia M.</b>	Group Art Unit <b>1652</b>		
Invention: <b>Penicillin Antifreeze Proteins</b>					
 <b>TO THE COMMISSIONER FOR PATENTS:</b>					
Transmitted herewith is an amendment in the above-identified application. <input checked="" type="checkbox"/> Small Entity status of this application has been established under 37 CFR 1.27 by a verified statement previously submitted. <input type="checkbox"/> A verified statement to establish Small Entity status under 37 FR 1.27 is enclosed.					
The fee has been calculated and is transmitted as shown below.					
<b>CLAIMS AS AMENDED</b>					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	17 -	20 =	0 x	\$9.00	\$0.00
INDEP. CLAIMS	1 -	3 =	0 x	\$42.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$0.00</b>
<input checked="" type="checkbox"/> No additional fee is required for amendment. <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ <input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed. <input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. <b>50-1619</b> <input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16. <input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.					
 Kathleen A. Tyrrell, Reg. No. 38,350			Dated: <b>October 15, 2003</b>		
<b>Licata &amp; Tyrrell P.C.</b> <b>66 East Main Street</b> <b>Marlton, New Jersey 08053</b> <b>Tel : 856-810-1515</b> <b>Fax: 856-810-1454</b>			<div style="border: 1px solid black; padding: 5px;">         I certify that this document and fee is being deposited on _____ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.   <div style="text-align: center;">Signature of Person Mailing Correspondence</div> <div style="text-align: center;">Typed or Printed Name of Person Mailing Correspondence</div> </div>		
CC:					

81. 10-16-03

\$AF 1600

<b>AMENDMENT TRANSMITTAL LETTER (Small Entity)</b>			<b>Docket No.</b> AF-0019		
<b>Applicant(s):</b> Graham et al.					
<b>Serial No.</b> 10/032,658		<b>Filing Date</b> November 8, 2001		<b>Examiner</b> Ramirez, Delia M.	
<b>Group Art Unit</b> 1652 ✓					
<b>Invention:</b> Thermostable Antifreeze Proteins					
<b>TO THE COMMISSIONER FOR PATENTS:</b>					
Transmitted herewith is an amendment in the above-identified application. <input checked="" type="checkbox"/> Small Entity status of this application has been established under 37 CFR 1.27 by a verified statement previously submitted. <input type="checkbox"/> A verified statement to establish Small Entity status under 37 FR 1.27 is enclosed. The fee has been calculated and is transmitted as shown below.					
<b>CLAIMS AS AMENDED</b>					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	17 -	20 =	0 x	\$9.00	\$0.00
INDEP. CLAIMS	1 -	3 =	0 x	\$42.00	\$0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					\$0.00
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$0.00</b>
<input checked="" type="checkbox"/> No additional fee is required for amendment. <input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of _____ <input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed. <input checked="" type="checkbox"/> The Director is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. <b>50-1619</b> <input checked="" type="checkbox"/> Any additional filing fees required under 37 C.F.R. 1.16. <input checked="" type="checkbox"/> Any patent application processing fees under 37 CFR 1.17.					
 Kathleen A. Tyrrell, Reg. No. 38,350			Dated: <b>October 15, 2003</b>		
Licata & Tyrrell P.C. 66 East Main Street Marlton, New Jersey 08053 Tel : 856-810-1515 Fax: 856-810-1454			<div style="border: 1px solid black; padding: 5px;"><p>I certify that this document and fee is being deposited on _____ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.</p><p style="text-align: center;">_____ <i>Signature of Person Mailing Correspondence</i></p><p style="text-align: center;">_____ <i>Typed or Printed Name of Person Mailing Correspondence</i></p></div>		
CC:					



AF-0019

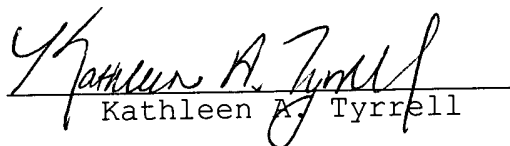
**CERTIFICATE OF EXPRESS MAILING**

**RECEIVED**  
OCT 20 2003  
TECH CENTER 1600/2300

Express Mail" Label No. **EV 331020768 US**  
Date of Deposit: **October 15, 2003**

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Mail Stop AF, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

- 1) Amendment Transmittal Letter (in duplicate);
- 2) Amendment in Response to the Office Action dated June 15, 2003;
- 3) Replacement Drawings sheets 5-7 containing sheets 6A, 6B, and 6C;
- 4) Return Postcard.

  
Kathleen A. Tyrrell



RESPONSE UNDER 37 CFR 1.116  
EXPEDITED PROCEDURE  
EXAMINING GROUP 1652

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: 016252-002110US (AF-0019)  
Inventors: Graham et al.  
Serial No.: 10/032,658  
Filing Date: November 8, 2001  
Examiner: Ramirez, Delia M.  
Group Art Unit: 1652  
Title: Tenebrio Antifreeze Proteins

"Express Mail" Label No. EV331020768US  
Date of Deposit October 15, 2003

I hereby certify that this paper is being deposited  
with the United States Postal Service "Express Mail  
Post Office to Addressee" service under 37 CFR 1.10  
on the date indicated above and is addressed to the  
Mail Stop, Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450.

By Kathleen A. Tyrrel  
Typed Name: Kathleen A. Tyrrel, Reg. No. 38,350

Mail Stop **AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Reply under 37 C.F.R. §1.116

This is a reply to the Office Action mailed July 15, 2003  
setting a three (3) month statutory period for response. Please  
enter the following amendments and remarks into the record.

RECEIVED  
OCT 20 2003  
TECH CENTER 1600/2901